

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P324531

Luminaire Tested: **GAN-SA7C-750-U-SLR-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324531
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-28)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA7C-750-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37087 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

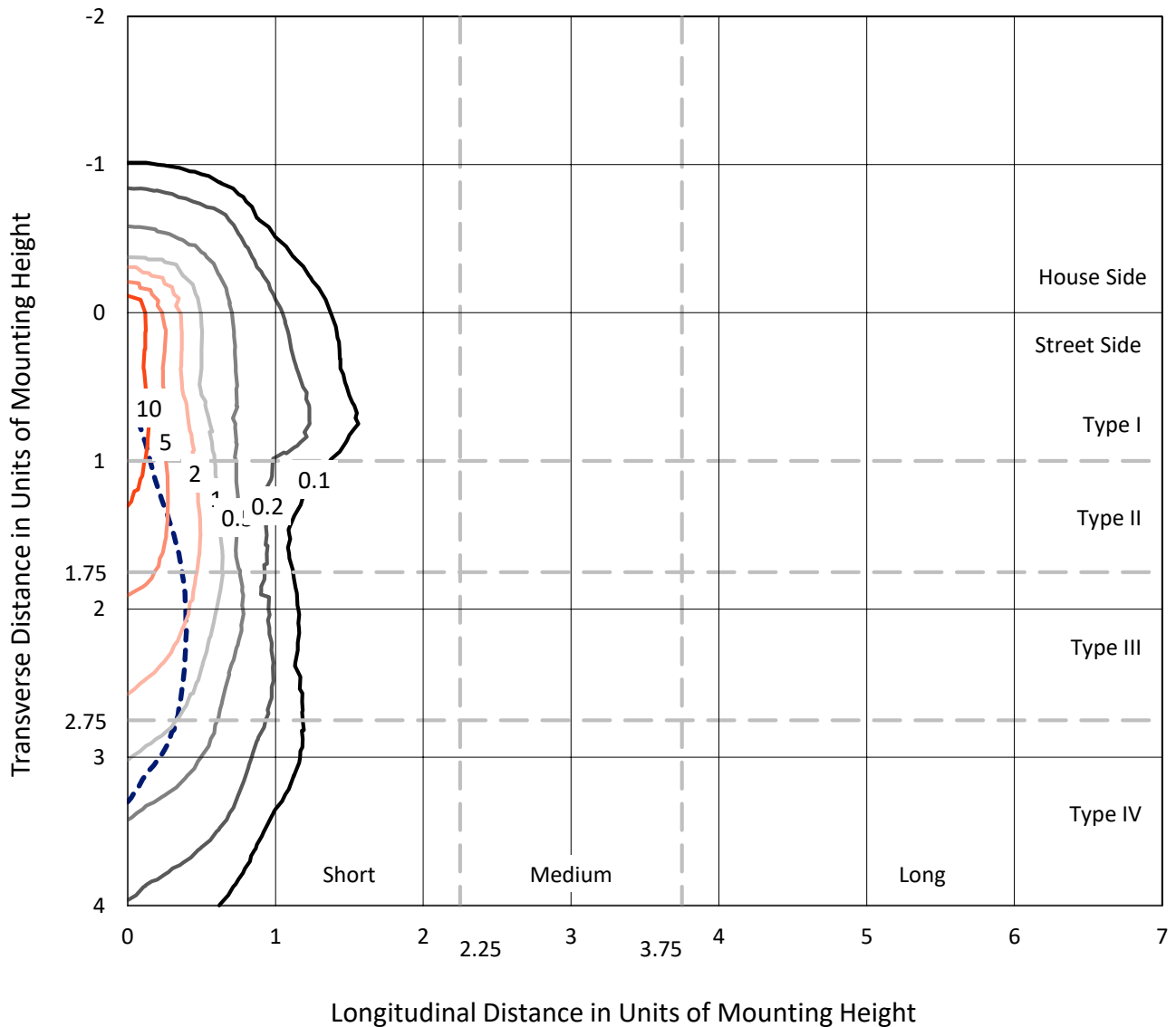
Input Watts (W): 391
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

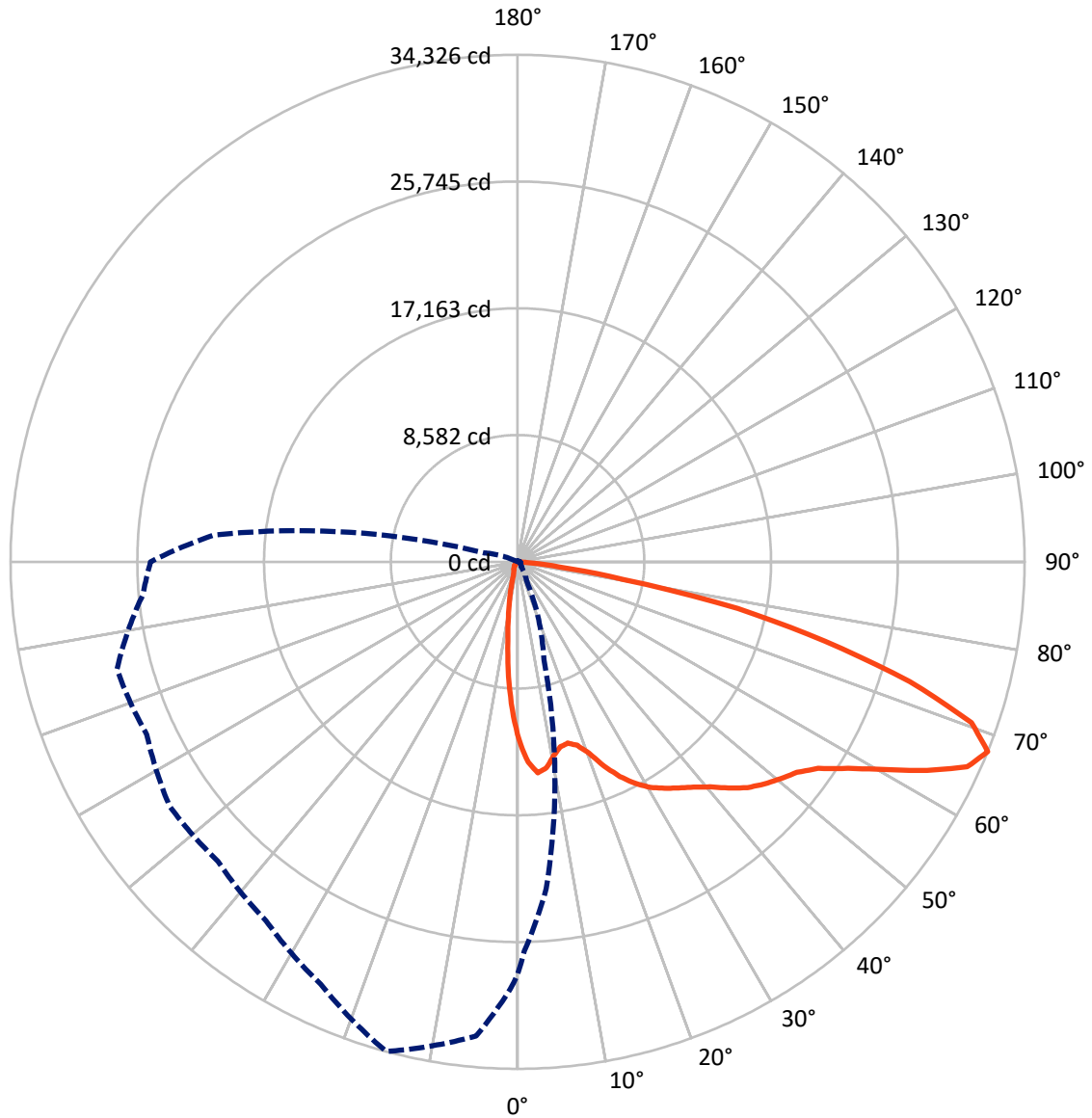
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 345-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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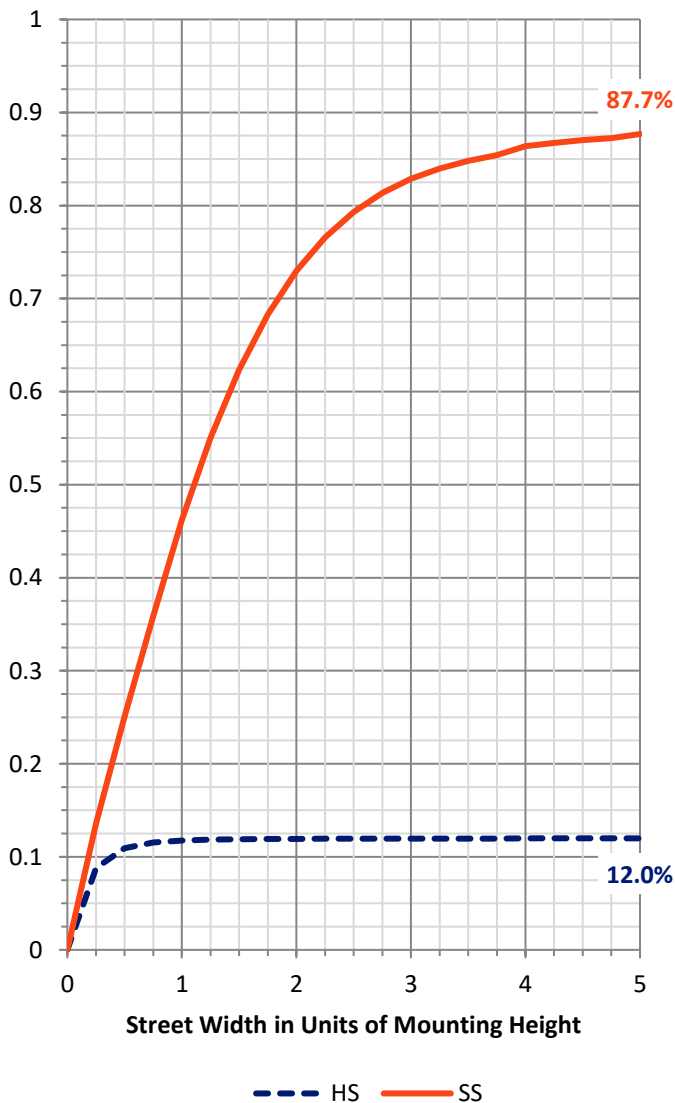
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4488.7	0.0	4488.7
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	32598.3	0.0	32598.3
	% Fixture	87.9	0.0	87.9
Total	Lumens	37087.0	0.0	37087.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	927.2	2.5
10°-20°	1845.6	5.0
20°-30°	2620.7	7.1
30°-40°	3871.0	10.4
40°-50°	5582.8	15.1
50°-60°	7837.1	21.1
60°-70°	9135.8	24.6
70°-80°	4670.4	12.6
80°-90°	596.5	1.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	37087.0	100.0
0°-180°	37087.0	100.0

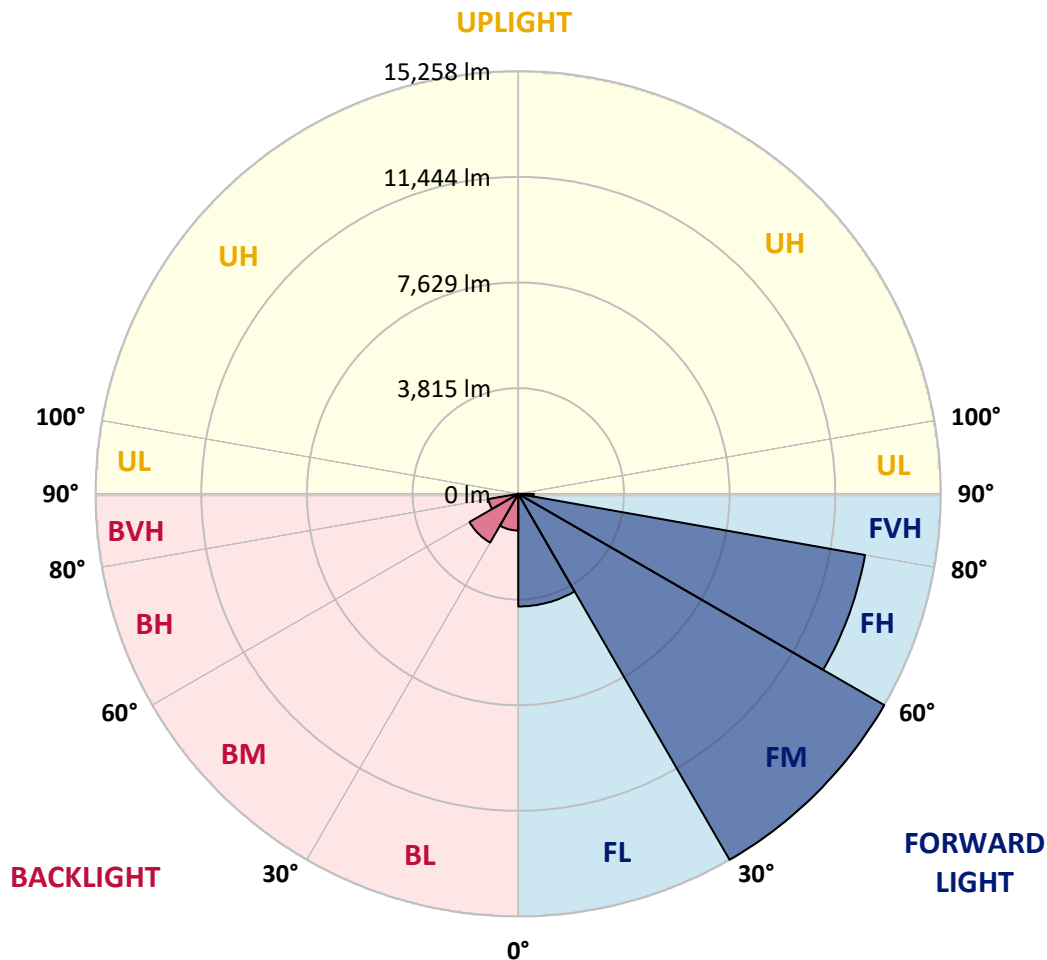


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4067.7	11.0			
FM (30°-60°)	15258.2	41.1			
FH (60°-80°)	12712.1	34.3			G5
FVH (80°-90°)	560.2	1.5			G4/750
BL (0°-30°)	1325.8	3.6	B3/2500		
BM (30°-60°)	2032.7	5.5	B2/2500		
BH (60°-80°)	1094.0	2.9	B3/2500		G3/2500
BVH (80°-90°)	36.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12081.0	12081.0	12081.0	12081.0	12081.0	12081.0	12081.0	12081.0	12081.0	12081.0	12081.0
2.5°	13228.3	13126.4	13014.0	12646.8	12305.9	11915.9	11597.9	11376.5	11098.9	10738.7	10647.3
5°	13133.5	13024.5	12671.4	11854.4	11139.3	10443.5	9772.3	9378.8	8890.3	8394.9	8271.9
7.5°	12179.4	12065.2	11555.7	10436.5	9473.7	8468.7	7597.2	7057.8	6506.1	6052.8	5812.1
10°	11186.7	11062.0	10489.2	9131.0	7945.1	7036.7	6397.2	5882.4	5360.6	4875.6	4489.1
12.5°	10503.2	10339.9	9717.9	8178.8	7145.7	6529.0	5931.6	5314.9	4608.6	4088.5	3663.3
15°	10216.9	10030.6	9373.5	7811.6	6862.8	6138.9	5360.6	4603.3	3775.8	3180.1	2790.1
17.5°	10438.2	10195.8	9491.2	7787.0	6507.9	5522.2	4538.3	3649.3	2751.4	2148.8	1871.2
20°	11190.2	10872.2	9977.9	7779.9	6077.4	4789.5	3542.1	2537.1	1813.2	1458.3	1312.5
22.5°	12374.4	11954.5	10677.2	7836.1	5632.9	4020.0	2558.2	1723.6	1361.7	1177.2	1091.1
25°	13804.6	13317.9	11683.9	8034.7	5242.8	3271.5	1858.9	1361.7	1149.1	1013.8	941.7
27.5°	15164.5	14769.2	12956.0	8321.1	4940.6	2667.1	1509.2	1154.3	982.2	892.5	834.6
30°	16522.7	16025.5	14261.4	8661.9	4576.9	2257.7	1326.5	1052.4	880.2	785.4	748.5
32.5°	17510.1	17097.2	15284.0	8907.9	4188.6	1990.7	1186.0	962.8	822.3	725.6	671.2
35°	18671.5	18204.1	16160.7	8962.4	3939.2	1822.0	1066.5	866.2	713.3	627.2	569.3
37.5°	19926.0	19344.4	17172.8	8842.9	3744.1	1739.4	976.9	822.3	665.9	578.0	516.6
40°	21314.0	20656.9	18144.4	8670.7	3552.6	1711.3	908.4	788.9	629.0	539.4	476.1
42.5°	22775.8	22001.0	18986.0	8489.7	3431.4	1614.7	901.3	755.5	600.9	504.3	441.0
45°	24003.9	23218.5	19850.4	8430.0	3345.3	1509.2	931.2	732.7	581.6	476.1	414.6
47.5°	24982.6	24239.4	20735.9	8563.5	3296.1	1412.6	848.6	762.5	571.0	451.5	391.8
50°	26150.9	25309.4	21983.4	8962.4	3224.1	1316.0	767.8	873.2	571.0	435.7	372.5
52.5°	27616.3	26783.5	23374.9	9580.8	3080.0	1182.5	690.5	875.0	576.3	414.6	347.9
55°	29459.3	28854.9	25362.1	10259.0	2849.8	985.7	597.4	752.0	555.2	376.0	325.0
57.5°	31226.9	30733.2	27173.5	10722.9	2542.4	769.6	520.1	606.2	507.8	330.3	289.9
59°	31710.0	31170.7	27837.7	10744.0	2312.2	671.2	481.4	500.7	497.2	309.2	268.8
60°	31710.0	31137.3	28029.2	10631.5	2145.3	616.7	456.8	446.3	518.3	295.2	256.5
62.5°	31135.5	30330.8	27407.2	9870.7	1750.0	525.3	398.8	369.0	465.6	265.3	226.7
65°	29940.8	28768.9	25288.3	8495.0	1560.2	481.4	344.4	302.2	323.3	233.7	198.5
67.5°	27948.3	26360.0	22232.9	6862.8	1484.7	469.1	296.9	256.5	244.2	200.3	173.9
70°	24439.6	22677.4	18523.9	5395.7	1419.6	463.8	249.5	216.1	196.8	168.7	147.6
72.5°	17787.7	15949.9	13151.0	4218.5	1381.0	474.4	200.3	181.0	161.6	131.8	114.2
75°	10174.7	8971.2	7391.6	2786.6	1177.2	453.3	154.6	151.1	116.0	94.9	79.1
77.5°	5256.9	5097.0	4429.4	1070.0	564.0	198.5	101.9	87.8	68.5	58.0	47.4
80°	2268.3	2243.7	1941.5	309.2	149.3	110.7	58.0	36.9	31.6	24.6	19.3
82.5°	783.6	783.6	690.5	103.7	66.8	54.5	7.0	0.0	0.0	0.0	0.0
85°	158.1	177.5	124.7	0.0	22.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	12081.0	12081.0	12081.0	12081.0	12081.0	12081.0	12081.0	12081.0	12081.0	12081.0	12081.0
2.5°	10536.6	10324.0	10310.0	10176.5	10009.5	9934.0	9890.1	9967.4	10062.2	10072.8	10215.1
5°	8178.8	7955.6	8048.7	7811.6	7859.0	7811.6	7734.2	7748.3	7790.5	7658.7	7822.1
7.5°	5743.6	5574.9	5682.1	5618.8	5703.2	5736.6	5689.1	5618.8	5411.5	5386.9	5529.2
10°	4329.2	4137.7	4023.5	3904.0	3930.4	3984.8	3967.3	3916.3	3784.5	3791.6	3928.6
12.5°	3478.8	3264.5	3037.8	2744.4	2672.4	2712.8	2672.4	2642.5	2516.0	2526.5	2647.8
15°	2639.0	2463.3	2226.1	1990.7	1862.4	1874.7	1762.3	1683.2	1604.1	1509.2	1583.0
17.5°	1781.6	1674.4	1604.1	1533.8	1381.0	1345.8	1203.5	1050.7	990.9	947.0	978.6
20°	1261.5	1203.5	1175.4	1171.9	1084.1	1040.1	901.3	806.5	776.6	767.8	787.1
22.5°	1054.2	1012.0	971.6	948.8	904.8	853.9	748.5	701.0	680.0	669.4	683.5
25°	917.1	885.5	843.4	804.7	787.1	732.7	657.1	622.0	607.9	597.4	604.4
27.5°	815.2	787.1	737.9	713.3	699.3	651.8	586.8	558.7	546.4	542.9	541.2
30°	734.4	708.1	662.4	634.3	609.7	567.5	528.9	500.7	488.4	484.9	481.4
32.5°	653.6	632.5	602.6	574.5	548.2	509.5	476.1	453.3	434.0	430.5	428.7
35°	551.7	530.6	514.8	513.0	488.4	451.5	426.9	397.1	381.3	376.0	377.8
37.5°	490.2	462.1	426.9	439.2	432.2	405.9	372.5	342.6	326.8	323.3	323.3
40°	451.5	421.7	381.3	360.2	381.3	376.0	323.3	293.4	277.6	275.8	272.3
42.5°	414.6	384.8	339.1	304.0	314.5	330.3	279.4	251.2	235.4	231.9	226.7
45°	388.3	356.7	305.7	265.3	244.2	277.6	238.9	203.8	195.0	188.0	184.5
47.5°	363.7	333.8	275.8	230.2	195.0	200.3	191.5	166.9	156.4	149.3	147.6
50°	342.6	311.0	249.5	196.8	161.6	147.6	154.6	131.8	123.0	116.0	112.4
52.5°	318.0	288.1	221.4	170.4	135.3	116.0	117.7	103.7	94.9	89.6	87.8
55°	298.7	268.8	198.5	149.3	119.5	94.9	84.3	80.8	75.6	72.0	70.3
57.5°	272.3	244.2	175.7	126.5	101.9	77.3	65.0	65.0	63.3	59.7	58.0
59°	256.5	231.9	161.6	114.2	93.1	66.8	58.0	59.7	58.0	54.5	52.7
60°	244.2	221.4	151.1	105.4	87.8	61.5	52.7	56.2	54.5	51.0	49.2
62.5°	216.1	200.3	130.0	87.8	77.3	49.2	43.9	47.4	47.4	45.7	43.9
65°	189.8	172.2	110.7	73.8	72.0	42.2	35.1	42.2	43.9	40.4	36.9
67.5°	165.2	147.6	96.6	59.7	66.8	33.4	26.4	35.1	47.4	36.9	33.4
70°	140.6	123.0	75.6	47.4	70.3	22.8	21.1	31.6	56.2	40.4	31.6
72.5°	108.9	94.9	52.7	35.1	75.6	15.8	15.8	26.4	63.3	43.9	29.9
75°	75.6	61.5	31.6	21.1	61.5	10.5	10.5	24.6	59.7	40.4	28.1
77.5°	43.9	33.4	10.5	1.8	31.6	0.0	1.8	17.6	42.2	24.6	12.3
80°	15.8	7.0	0.0	0.0	19.3	0.0	0.0	0.0	3.5	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	12081.0	12081.0	12081.0	12081.0	12081.0	12081.0	12081.0	12081.0	12081.0	12081.0	12081.0
2.5°	10252.0	10489.2	10701.8	11023.3	11404.6	11843.8	12221.6	12627.4	13008.7	13166.8	13275.8
5°	7855.5	8148.9	8491.5	8964.1	9593.1	10368.0	11093.6	11914.1	12796.1	13237.1	13651.8
7.5°	5553.8	5852.5	6277.7	6780.2	7541.0	8463.4	9412.2	10545.4	11740.2	12437.7	13124.7
10°	3993.6	4360.8	4757.9	5444.9	6218.0	7092.9	8069.8	9334.9	10666.6	11439.7	12267.3
12.5°	2718.1	3136.2	3737.1	4506.7	5415.0	6272.4	7121.1	8328.1	9874.2	10640.3	11527.6
15°	1630.5	1862.4	2498.4	3389.2	4503.1	5571.4	6500.8	7711.4	9359.5	10297.7	11220.1
17.5°	1005.0	1112.2	1458.3	2189.2	3359.4	4710.5	5984.3	7502.3	9433.2	10575.3	11562.7
20°	801.2	843.4	954.0	1293.1	2226.1	3761.7	5402.7	7460.2	10035.9	11441.5	12500.9
22.5°	695.8	736.2	810.0	940.0	1400.3	2816.4	4851.0	7498.8	10900.3	12739.9	13976.8
25°	613.2	648.3	718.6	825.8	1026.1	1983.6	4260.7	7671.0	12026.6	14351.0	15665.3
27.5°	548.2	578.0	643.1	741.4	880.2	1384.5	3591.3	7880.1	13361.9	15999.1	17295.7
30°	488.4	514.8	572.8	664.1	764.3	1064.7	2856.9	8022.4	14698.9	17295.7	18460.6
32.5°	437.5	456.8	509.5	586.8	664.1	848.6	2171.6	7999.5	15691.6	18374.5	19298.7
35°	384.8	404.1	449.8	516.6	578.0	701.0	1707.8	7572.6	16556.1	19493.7	20258.0
37.5°	326.8	351.4	395.3	455.1	497.2	616.7	1381.0	7057.8	17432.8	20772.8	21328.0
40°	277.6	302.2	340.9	405.9	432.2	585.1	1061.2	6430.6	18418.5	22203.0	22501.7
42.5°	230.2	253.0	293.4	349.6	407.6	504.3	785.4	5713.7	19365.5	23425.9	23571.7
45°	186.2	209.1	251.2	307.5	435.7	418.2	607.9	4945.9	20129.8	24443.2	24490.6
47.5°	147.6	168.7	212.6	289.9	405.9	333.8	434.0	4343.3	20771.1	25237.3	25112.6
50°	114.2	131.8	177.5	332.1	354.9	275.8	328.6	4143.0	21345.6	25729.3	25406.0
52.5°	89.6	105.4	145.8	311.0	275.8	228.4	275.8	4331.0	22132.7	26136.9	25571.1
55°	72.0	87.8	114.2	177.5	188.0	193.3	235.4	4506.7	23490.9	27092.7	26546.3
57.5°	59.7	75.6	93.1	124.7	142.3	163.4	209.1	4526.0	25091.5	28681.0	28164.5
59°	54.5	68.5	84.3	110.7	124.7	149.3	196.8	4420.6	25655.5	29259.1	29000.8
60°	51.0	65.0	79.1	101.9	116.0	140.6	189.8	4320.4	25680.1	29238.0	29357.4
62.5°	43.9	58.0	70.3	86.1	98.4	119.5	170.4	3949.7	24639.9	28280.4	29143.1
65°	38.7	51.0	63.3	73.8	84.3	107.2	154.6	3273.3	22863.6	26736.0	27676.0
67.5°	35.1	43.9	58.0	65.0	75.6	94.9	137.0	2333.3	20644.6	24847.3	25456.9
70°	31.6	42.2	52.7	59.7	68.5	82.6	117.7	1340.6	17432.8	22081.8	22515.7
72.5°	29.9	40.4	47.4	56.2	61.5	73.8	107.2	630.8	12764.5	17689.3	18822.6
75°	26.4	36.9	43.9	52.7	58.0	66.8	91.4	302.2	8489.7	12801.4	14089.3
77.5°	15.8	29.9	40.4	47.4	51.0	58.0	75.6	173.9	5418.5	8860.5	10436.5
80°	0.0	10.5	29.9	40.4	43.9	49.2	58.0	137.0	2899.0	5061.9	6075.7
82.5°	0.0	0.0	21.1	31.6	29.9	33.4	43.9	86.1	1307.2	3308.4	3728.3
85°	0.0	0.0	7.0	24.6	21.1	15.8	29.9	29.9	286.4	1674.4	2089.1
87.5°	0.0	0.0	0.0	1.8	10.5	7.0	12.3	3.5	1.8	124.7	506.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P324531
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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	12081.0	12081.0	12081.0	12081.0	12081.0	12081.0	12081.0	12081.0	12081.0	12081.0
2.5°	13657.0	13787.1	14006.7	14110.3	14059.4	13843.3	13585.0	13321.5	13166.8	13228.3
5°	14496.9	15166.3	15552.8	15681.1	15466.7	14981.8	14347.5	13511.2	13214.3	13133.5
7.5°	14496.9	15756.6	16554.3	16694.9	16217.0	15266.4	14077.0	12771.5	12337.5	12179.4
10°	13987.3	15702.2	16814.3	17037.5	16369.8	14948.4	13354.8	11864.9	11350.1	11186.7
12.5°	13412.8	15259.4	16431.3	16738.8	16190.6	14632.2	12854.1	11251.7	10645.6	10503.2
15°	13059.7	14714.7	15684.6	15907.7	15675.8	14447.7	12734.6	11067.2	10353.9	10216.9
17.5°	13186.2	14293.1	14642.7	14772.7	14929.1	14382.7	13059.7	11471.3	10568.3	10438.2
20°	13662.3	13848.5	13667.6	13831.0	14252.7	14445.9	13834.5	12448.2	11364.2	11190.2
22.5°	14470.5	13618.4	13110.6	13175.6	13688.7	14655.0	15018.7	13843.3	12592.3	12374.4
25°	15412.3	13804.6	12801.4	12743.4	13270.5	14930.8	16101.0	15361.3	14045.3	13804.6
27.5°	16596.5	14222.8	12738.1	12680.2	13124.7	15189.1	17000.6	16861.8	15575.7	15164.5
30°	17510.1	14633.9	12926.1	12792.6	13270.5	15368.3	17722.7	18135.6	16795.0	16522.7
32.5°	18165.5	15118.8	13231.8	13038.6	13681.6	15677.6	18279.7	19302.2	17923.0	17510.1
35°	18664.4	15645.9	13725.6	13407.5	14247.4	16146.7	18801.5	20544.4	19123.0	18671.5
37.5°	19131.8	16385.6	14496.9	14117.4	15134.7	16902.2	19353.2	21953.5	20465.3	19926.0
40°	19783.6	17223.7	15686.4	15349.0	16626.3	17931.8	20041.9	23422.4	21992.2	21314.0
42.5°	20435.5	18123.3	16903.9	16995.3	18487.0	19182.8	20930.9	24975.5	23499.7	22775.8
45°	21031.1	19051.0	18638.1	19059.8	20214.1	20555.0	21814.7	25873.3	24703.2	24003.9
47.5°	21561.7	20210.6	20361.7	21484.4	22178.4	21797.1	22475.3	26648.2	25599.3	24982.6
50°	22178.4	21711.1	22633.5	24221.8	24439.6	22921.6	23076.2	27565.3	26646.4	26150.9
52.5°	22853.1	23292.3	25149.5	26549.8	26479.5	24142.7	23680.6	28593.2	28081.9	27616.3
55°	23619.1	24569.7	27365.0	28728.4	28668.7	25506.1	24682.1	29863.5	29881.0	29459.3
57.5°	24755.9	25669.5	28869.0	30490.7	30590.8	27080.4	26379.4	31286.6	31508.0	31226.9
59°	25571.1	26382.9	29464.6	31226.9	31634.5	28298.0	27619.8	32112.4	31966.6	31710.0
60°	26175.5	26836.2	29759.8	31611.7	32240.7	29123.8	28535.2	32597.3	32021.0	31710.0
62.5°	27670.7	27823.6	30292.2	32047.4	32938.2	30958.1	31110.9	33423.1	31643.3	31135.5
65°	28368.3	28447.3	30285.1	31267.3	32263.5	32386.5	33447.7	33447.7	30720.9	29940.8
67.5°	28076.6	27695.3	28782.9	28681.0	29675.5	31537.9	34326.2	32221.3	28956.9	27948.3
70°	25704.7	24237.6	23754.4	23798.3	24559.1	27431.8	32586.8	28612.5	25618.6	24439.6
72.5°	21387.8	17868.5	16675.5	18037.2	18235.7	21082.1	27770.9	21547.7	18892.8	17787.7
75°	17202.6	12595.8	10656.1	12093.3	12430.7	15428.1	21482.6	13419.8	11035.6	10174.7
77.5°	12358.6	9041.4	7646.4	7546.2	7982.0	9784.6	15243.6	6753.8	5632.9	5256.9
80°	7020.9	5950.9	6407.7	6045.8	6265.4	6117.8	7242.3	2962.3	2426.4	2268.3
82.5°	4237.8	3517.5	3809.1	3171.4	4013.0	3494.6	2790.1	948.8	824.0	783.6
85°	2756.7	1922.1	1001.5	671.2	1382.7	2233.1	623.7	258.3	198.5	158.1
87.5°	950.5	490.2	49.2	21.1	147.6	416.4	22.8	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)